



COPY OF PAPERS
ORIGINALLY FILED

#3

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Eric R. Lovegren et al.

Appln. No.: 10/046,647

Filed : October 29, 2001

For : MEASUREMENT OF CONCENTRATION OF
MATERIAL IN A PROCESS FLUID

Group Art Unit:2857

Docket No.: R11.12-0763

RESPONSE TO NOTICE TO FILE MISSING PARTS
OF APPLICATION - FILING DATE GRANTED
UNDER 37 C.F.R. §§ 1.53(f) AND 1.16(e)

Box Missing Parts
Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
ASSISTANT COMMISSIONER FOR PATENTS,
WASHINGTON, D.C. 20231, THIS

5 DAY OF June, 2002

PATENT ATTORNEY

Sir:

In response to the Notice to File Missing Parts of application - Filing Date Granted dated April 5, 2002, Applicant encloses the following documents to complete the above-identified patent application filed October 29, 2001:

1. Credit Card Payment Form - 2038 in the amount of \$888 (to cover the filing fee \$758 and surcharge fee of \$130).
2. Combined Declaration and Power of Attorney executed by the inventor(s).
3. Fee Calculation Sheet (duplicate).
4. Notice to File Missing Parts of Application-Filing Date Granted.
5. Letter to the Official Draftsperson.
6. Fifteen (15) sheets of formal drawings.

10046647-061102

The Director is authorized to charge payment of any additional fees associated with this paper or credit any overpayment to Deposit Account No. 23-1123. A duplicate copy of this sheet is enclosed.

Respectfully submitted,
WESTMAN, CHAMPLIN & KELLY, P.A.

By: 

Judson K. Champlin, Reg. No. 34,797
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

JKC:tas

201907499400T



COPY OF PATENTS
ORIGINALLY FILED

#4

THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Eric R. Lovegren et al.

Batch No:

Appln. No.: 10/046,647

Allowed:

Filed : October 29, 2001

Group Art Unit: 2857

For : MEASUREMENT OF CONTRATION OF
MATERIAL IN A PROCESS FLUID

Examiner:

Docket No.: R11.12-0763

LETTER TO OFFICIAL DRAFTSPERSON

Box Issue Fee
Commissioner for Patents
Washington, D.C. 20231

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ASSISTANT COMMISSIONER FOR PATENTS,
WASHINGTON, D.C. 20231, THIS

5 DAY OF June, 2002

PATENT ATTORNEY

Sir:

Enclosed are **fifteen** (15) sheets of formal drawings for
filing in the above-identified application.

Respectfully submitted,

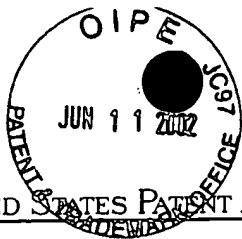
WESTMAN, CHAMPLIN & KELLY, P.A.

By:

Judson K. Champlin, Reg. No. 34,797
Suite 1600 - International Centre
900 Second Avenue South
Minneapolis, Minnesota 55402-3319
Phone: (612) 334-3222 Fax: (612) 334-3312

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10046647-061102



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UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/046,647	10/29/2001	Eric R. Lovegren	R11.12-0763

CONFIRMATION NO. 1207

FORMALITIES LETTER



OC000000007805006

WESTMAN, CHAMPLIN & KELLY
A PROFESSIONAL ASSOCIATION
INTERNATIONAL CENTRE
900 SECOND AVENUE SOUTH, SUITE 1600
MINNEAPOLIS, MN 55402-3319

Date Mailed: 04/05/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

06/17/2002 RUSHEN1 00000056 10046647

FILED UNDER 37 CFR 1.53(b)

01 FC:101 740.00 OP
02 FC:103 18.00 OP
03 FC:105 130.00 OP

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

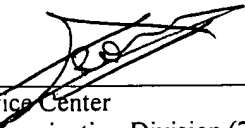
- o The statutory basic filing fee is missing.
Applicant must submit \$ 370 to complete the basic filing fee for a small entity.
- o Total additional claim fee(s) for this application is \$9.
 - \$9 for 1 total claims over 20.
- o The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- o To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- o **The balance due by applicant is \$ 444.**

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- o Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

A copy of this notice MUST be returned with the reply.




Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

10046647-061102

FEE TRANSMITTAL		Complete if Known																																									
		Application No.	10/046,647																																								
		Filing Date	October 29, 2001																																								
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Total Amount of Payment \$ 888		Atty. Docket Number	R11.12-0763																																								
METHOD OF PAYMENT (Check One)		FEE CALCULATION (Continued)																																									
1. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. <u>23-1123</u> . Westman, Champlin & Kelly, P.A.		3. ADDITIONAL FEES																																									
2. <input type="checkbox"/> Check Enclosed																																											
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1. BASIC FILING FEE																																											
<table border="1"><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th></th></tr><tr><th>Fee</th><th>Fee</th><th>Fee</th><th>Fee</th><th></th></tr><tr><th>Code</th><th>(\$)</th><th>Code</th><th>(\$)</th><th>Fee Description</th></tr></thead><tbody><tr><td>101</td><td>740</td><td>201</td><td>370</td><td><input checked="" type="checkbox"/> Utility Filing Fee</td></tr><tr><td>106</td><td>330</td><td>206</td><td>165</td><td><input type="checkbox"/> Design Filing Fee</td></tr><tr><td>108</td><td>740</td><td>208</td><td>370</td><td><input type="checkbox"/> Reissue Filing Fee</td></tr><tr><td>114</td><td>160</td><td>214</td><td>80</td><td><input type="checkbox"/> Prov. Filing Fee</td></tr><tr><td colspan="5">Subtotal (1) \$ 740</td></tr></tbody></table>		Large Entity		Small Entity			Fee	Fee	Fee	Fee		Code	(\$)	Code	(\$)	Fee Description	101	740	201	370	<input checked="" type="checkbox"/> Utility Filing Fee	106	330	206	165	<input type="checkbox"/> Design Filing Fee	108	740	208	370	<input type="checkbox"/> Reissue Filing Fee	114	160	214	80	<input type="checkbox"/> Prov. Filing Fee	Subtotal (1) \$ 740						
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Subtotal (2) \$ 18																																											
		Subtotal (3) \$130																																									

Signature

(Judson K Champlin)

Date

Reg. No. 34,797

Deposit Account No. 23-1123

FEE TRANSMITTAL



Complete if Known

Application No.	10/046,647
Filing Date	October 29, 2001
First Named Inventor	Eric R. Lovegren et al.
Title	MEASUREMENT OF CONCENTRATION OF MATERIAL IN A PROCESS FLUID
Group Art Unit	2857
Examiner Name	
Atty. Docket Number	R11.12-0763

Total Amount of Payment \$ 888

METHOD OF PAYMENT (Check One)

1. ☒ The Director is hereby authorized to charge any additional fee required under 37 C.F.R. § 1.16 and 1.17, including any petition fee, and credit any over payments to Deposit Account No. 23-1123.
Westman, Champlin & Kelly, P.A.

2. ☐ Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Subtotal (1) \$ 740
Code	Fee (\$)	Code	Fee (\$)		
101	740	201	370	<input checked="" type="checkbox"/> Utility Filing Fee	
106	330	206	165	<input type="checkbox"/> Design Filing Fee	
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2. EXTRA CLAIM FEES

	Number Claims	Prior**	Extra	Fee from Below	Fee Paid
Total	21	20	1	18	18
Indep.	3	3	0	84	0

Multiple Dependent Claims

** Insert 3 and 20, or number previously paid if greater; Reissue see below

Large Entity		Small Entity		Description
Code	Fee (\$)	Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
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Subtotal (2) \$ 18

FEE CALCULATION (Continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Code	Fee (\$)	Code	Fee (\$)		
105	130	205	65	Surcharge - Late filing fee or oath	130
127	50	227	25	Surcharge - Late provisional Filing Fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For Filing a Request for Reexamination. (ex parte)	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	280	980	Extension for reply within fifth month	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
148	110	248	55	Terminal Disclaimer Fee	
140	110	240	55	Petition to Revive - unavoidable	
141	1,310	241	670	Petition to Revive - unintentional	
142	1,310	242	670	Utility/Reissue issue fee (inc. advance copies)	
143	490	243	260	Design issue fee (inc. advance copies)	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	

Other Fee (specify) _____

Subtotal (3) \$130

Signature

(Judson K Champlin)

Reg. No. 34,797

Date

Deposit Account No. 23-1123